

# HTI SERIES

## HTI-FQ1: 384 X 288

## HTI-FV1: 640 X 480

### Thermal Detection



THERMAL CAMERA	
Sensor Type	Uncooled microbolometer
Number of Pixels (HxV)	HTI-FQ1: 384 x 288 HTI-FV1: 640 x 480
Pixel Size	17 µm
Thermal Sensitivity	HTI-FQ1: < 70 mK HTI-FV1: < 50 mK
Spectral Range	7.5 – 14 µm
Focal Length	HTI-FQ1: 10mm, 14.2mm, 19mm, 25mm, 35mm, 50mm, 60mm HTI-FV1: 10mm, 14.2mm, 19mm, 25mm, 35mm, 50mm, 60mm, 100mm
Lens Type	Athermalized
Focus	Fixed Focus
Color Palettes	White Hot/Black Hot
Histogram Regions of Interest	Multiple configurable areas
Image Processing	Noise filter, Gain control, Gamma correction, Polarity, Flip (Vertical, Horizontal, Vertical and Horizontal), Edge contrast, Edge enhancement
VISUAL CAMERA	
Sensor Type	1/4" CMOS
Number of Pixels (HxV)	1280 x 720
Focal Length	3.4mm
Angle of View (HxV)	52° x 43°
S/N Ratio	36dB
Image Processing	Digital Zoom (1x, 2x, 4x), Flip (Vertical, Horizontal, Vertical and Horizontal), Brightness, Contrast, Hue, Saturation, White balance
OPERATIONAL	
Video Compression	H.264/MJPEG
Video Streaming	Thermal: HTI-FQ1 384 x 288 / 320 x 240 / 192 x 144 @ 25 Hz HTI-FV1 640 x 480 / 384 x 288 / 320 x 240 / 192 x 144 @ 25 Hz Visual: 1280x720 / 960x540 / 640x360 / 320x180 @ 25 fps
Bit Rate	64 Kbps - 16 Mbps
Built-in Video Analytics	Line fence crossing with direction (Right/Left/Both), Area Region with direction (Entry/Exit/Both), Exclude Region, Self learning, Target trail
Interface Options	Ethernet, Alarm Input (1 no.), Reset, Analog Video
Supported Protocols	IPv4, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, SSL, ICMP, DHCP, UPnP, IGMP, SNMP, DNS, QoS, NTP, ONVIF
Security	Multiple user access levels with password policy, Strong digest authentication for access permission, HTTPS, TLS1.2, High-strength encrypted algorithm AES-256, SSH/Telnet closed
Supported Web Browsers	Chrome, Firefox
Supported OS	Microsoft Windows® 7 and 10
Interoperability	ONVIF Profile S

\*Some development may be required in specific user cases to support some of these protocols in the field as they mature over time.

<b>ELECTRICAL</b>	
Power Source	12VDC (12-32VDC), PoE (802.3af)
Power Consumption	7W typical, 10W max
<b>MECHANICAL</b>	
Dimensions WxDxH	170 x 255 x 190 mm 6.69 x 10.04 x 7.48 inch 170 x 255 x 190 mm 6.69 x 10.04 x 7.48 inch
Product Weight	10 ~ 35mm: 2.2Kg, 50mm: 2.4Kg, 60mm: 2.6Kg, 100mm: 3Kg10 ~ 35mm: 2.2Kg, 50mm: 2.4Kg, 60mm: 2.6Kg, 100mm: 3Kg
Package Weight	5Kg
Sunshield	Yes
Body Material	Metal (die casting aluminum with powder coating )
Construction Color	RAL 9002 (Grey white)
<b>ENVIRONMENTAL</b>	
Temperature	Operating: -40°C to +55°C Storage: -40°C to +71°C Operating: -40°C to +55°C Storage: -40°C to +71°C
Relative Humidity	Less than 95% non-condensing
Ingress Protection Rating	IP66
<b>REGULATORY</b>	
Emissions	FCC 47CFR PART 15: 2017, SUBPART B, CLASS A ICES-003:2016 ISSUE 6, CLASS A STANDARDS FCC 47CFR PART 15: 2017, SUBPART B, CLASS A ICES-003:2016 ISSUE 6, CLASS A STANDARDS
Conformity	IEC TR 60721-4-4:2001+A1:03, MIL-STD 810F:00 + Notice 1:00 + Notice 2:02 + Notice 3:03, MIL-STD-810G:08, IEC 60529:89+A1:99+A2:13 (IP66), UL 50E
Safety	UL 60950-1 / CSA C22.2 No. 60950-1

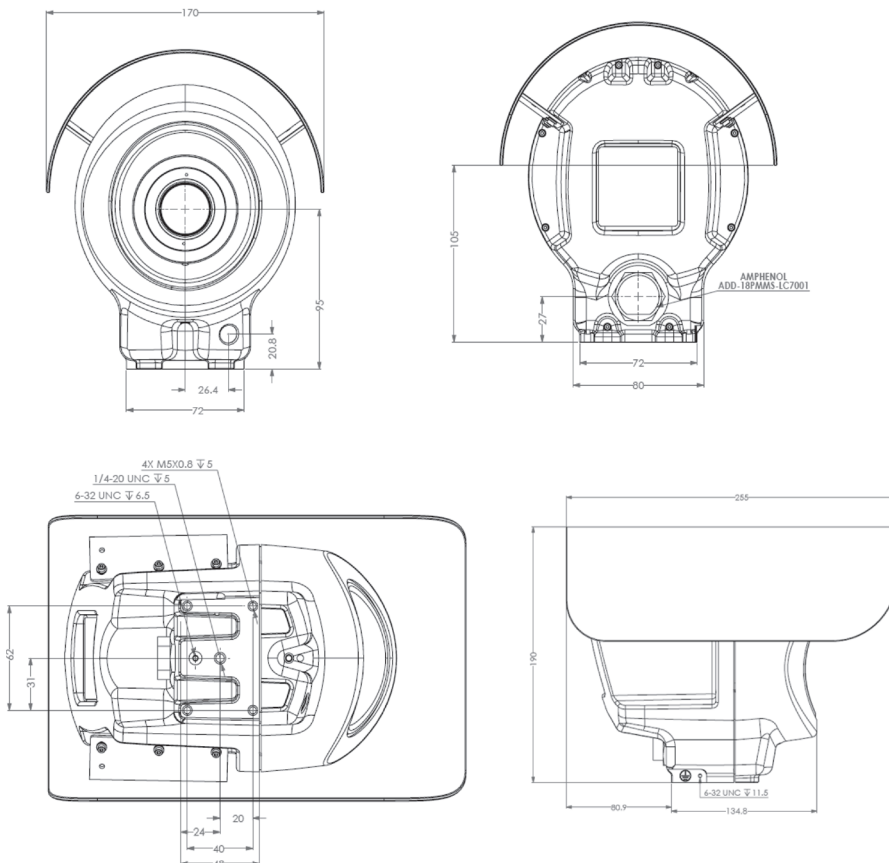
<b>HONEYWELL DEVICE INTEGRATION</b>	
MAXPRO® NVR FAMILY	Version 6.7 and greater
MAXPRO® VMS FAMILY	Version 670 and greater
PROWATCH® NVR FAMILY	Version 6.5 and greater
PROWATCH® VMS FAMILY	Version 650 and greater

<b>MOUNTS AND ACCESSORIES</b>	
HTI-WM1	Wall Mount bracket
HTI-PM1	Pole Mount bracket to be used along with HTI-WM1
HTI-CABLE15	15Mtr Cable with male RJ45 connector

## ORDERING

HTI-FQ1-10	Thermal Detection QVGA 10mm lens
HTI-FQ1-14	Thermal Detection QVGA 14.2mm lens
HTI-FQ1-19	Thermal Detection QVGA 19mm lens
HTI-FQ1-25	Thermal Detection QVGA 25mm lens
HTI-FQ1-35	Thermal Detection QVGA 35mm lens
HTI-FQ1-50	Thermal Detection QVGA 50mm lens
HTI-FQ1-60	Thermal Detection QVGA 60mm lens
HTI-FV1-10	Thermal Detection VGA 10mm lens
HTI-FV1-14	Thermal Detection VGA 14.2mm lens
HTI-FV1-19	Thermal Detection VGA 19mm lens
HTI-FV1-25	Thermal Detection VGA 25mm lens
HTI-FV1-35	Thermal Detection VGA 35mm lens
HTI-FV1-50	Thermal Detection VGA 50mm lens
HTI-FV1-60	Thermal Detection VGA 60mm lens
HTI-FV1-100	Thermal Detection VGA 100mm lens

## DIMENSIONS



### For more information,

<https://honeywellbuildings.in>

Call: 1-800-103-0339

Email: HBT-Indiabuildings@honeywell.com

### Honeywell HBT India Buildings

Unitech Trade Center, 5th Floor, Sector-43,  
Block C, Sushant Lok Phase - I,  
Gurgaon - 122 002

[www.honeywell.com](http://www.honeywell.com)

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